

Date first production: 1-26-78
Subsequent Report of abandonment - 6/21/79

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed
✓
✓

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed 1-20-78
OW. ✓
OW..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log. ✓
Electric Logs (No.) No logs run
E..... I..... Dual I Lat..... GR-N..... Micro.....
MC Sonic GR..... Lat..... Mi-L..... Sonic.....
..... Others.....

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE

2. NAME OF OPERATOR

Zion Crude Oil Company

3. ADDRESS OF OPERATOR

POBox 370, Hurricane, Utah 84737

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 250' FNL & 1200' FWL SEC 23

At proposed prod. zone
Ref. point Mohawk Petroleum #6, 1958
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approx. 1 mile NE of Virgin, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

360

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

1000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40 (NW NW SEC 23)

20. ROTARY OR CABLE TOOLS

rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3612' GR

22. APPROX. DATE WORK WILL START*

within 90 days of
approval date

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8" surface	7" OD	11.5#/ft.	100'	cemented to surface of ground

This well is in the general vicinity of wells GUS #1 & #2; therefore, the information required by NTL-6 and its supplement are included with this APD. The overall map (EXHIBIT B) has been revised to include wells ACE #1 & #2. The stipulation for GUS #1 and the APD for GUS #1 have also been included. The location of ACE #1 has been sketched to scale on a copy of the same certified survey used in originally specifying the location of Mohawk #6 and the subsequent APD's for wells GUS #1 & #2.

A new drilling pad will be required (approx. 50' X 75'); surface disturbance will be kept to an absolute minimum; access to the location will be on the same existing roads to wells GUS #1 & #2.

Two wells (ACE #1 & ACE #2) are planned, because the historical complexities of the Virgin Oil Field have proven that allowing for only one well is too optimistic.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Martin Krutzberg

TITLE

Vice-President

DATE

8-25-77

(This space for Federal or State office use)

PERMIT NO.

43-053-30030

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

District Oil and Gas Engineer
U. S. Geological Survey
Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

Re: Stipulation
ZION CRUDE OIL CO. ACE #1

Dear Sir:

Zion Crude Oil Co. is the owner of U. S. Oil and
Gas Lease U-27359, and proposes to drill a well
on the leased premises to test for oil and gas at a location in the
NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 23, T. 41S, R. 12W, Salt Lake Bas Mer.,
Washington County, State of Utah, 250'
from North line and 1200' from West line of
Section 23.

Section 221.20 of the Federal Oil and Gas Regulations requires that
no well be drilled less than 200' from the boundary of any legal
subdivision without the written consent of the Supervisor, United
States Geological Survey. The proposed location is approximately
137' from the West boundary line of the
NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 23, but is considered to be
necessary because of critical nature of well placement; i.e.
high accuracy required to contact relatively narrow oil target
zone.

Therefore, Zion Crude Oil Company, Lessee, requests the con-
sent of the Supervisor to the drilling of the proposed well at the
above-described location. In consideration of such consent, Zion
Crude Oil Company, Lessee, hereby expressly covenants and agrees
that he will make no separate assignments of the NW $\frac{1}{4}$ NW $\frac{1}{4}$ and
the NE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 23, T. 41S, R. 12W,
SLB+ Mer., and that he will keep the two described subdivisions
under joint assignment until the above-mentioned well has been plugged
and abandoned with the approval of the Supervisor.

Very truly yours,
Martin Kretzing
VICE-PRESIDENT
ZION CRUDE OIL CO.
August 25, 1977

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date:

Sept 6-

Operator:

Zion Crude Oil

Well No:

ACE #1

Location:

Sec. ¹⁴~~23~~ T. 41S R. 12W County: Washington

File Prepared

☒

Card Indexed

☒

AP1
Entered on N.I.D.

☒

Completion Sheet

☒

CHECKED BY:

Administrative Assistant

Remarks:

OB - #2 - Renewed
#6 - " "

Petroleum Engineer

Remarks:

ok

Director

Remarks:

7

INCLUDE WITHIN APPROVAL LETTER:

Bond Required

☒

Survey Plat Required

☐

Order No.

☐

Surface Casing Change
to

☐

Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site ☒

O.K. Rule C-3

☐

O.K. In

Unit ☐

Other:

Will hold #2
pleading income
of #1

☒ Letter Written/Approved

September 6, 1977

Zion Crude Oil Company
P.O. Box 370
Hurricane, Utah 84737

Re: Well No. Ace #1
Sec. 23, T. 41 S, R. 12 W,
Washington County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3(C), General Rules and Regulations and Rules of Practice and Procedure.

However, as this Division is no longer approving multiple applications within a general area, due to the possibility of conflicting spacing patterns, etc.; this Division will withhold approval of your Ace #2 location until the #1 has been drilled and the outcome of the well determined. Should the #1 be found a dry hole, approval for the #2 may be granted at such time as you notify this office for the plugging procedure for the #1.

Should you determine that it will be necessary to plug and abandon the above referred to well, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

Zion Crude Oil Company
September 6, 1977
Page Two

The API number assigned to this well is 43-053-30030.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

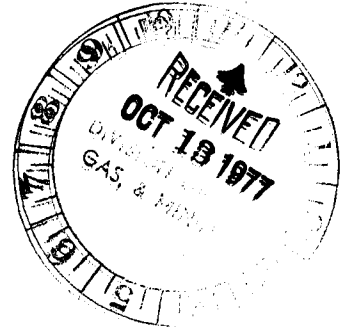
CLEON B. FEIGHT
Director

CBF:sw

cc: U.S. Geological Survey

ZION CRUDE OIL COMPANY

P. O. Box 370
Hurricane, Utah 84737
(801) 635-4872



October 11, 1977

Mr. Ed Guynn
U.S. Geological Survey
Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

RE: Amended location of
proposed well ACE #1.
Federal Lease U-27359

Dear Mr. Guynn:

Pursuant to our telephone conversation of 10-6-77, I have enclosed (in triplicate): one, an amended APD for ACE #1; two, a certified survey plat of the amended and current location of ACE #1; and three, a map of the general area showing and explaining surface access to the current proposed location of ACE #1.

Once again, the amended location specified for ACE #1 is in lieu of the location submitted 8-25-77. Further, there are no plans at present to drill ACE #2.

It is my understanding from Bill Martens that the original ACE #1 APD requires only your signature for final approval. We have chosen a more promising location for ACE #1 at this time, only because you stated that the amended location (because of its proximity and similarity to the original) would require neither an onsite inspection nor recontacting any associated agencies. Therefore, the approval for the amended ACE #1 APD would be forthcoming without delay.

It is critical that we be allowed to commence drilling as soon as possible. Thank you.

Sincerely,

A handwritten signature in cursive script that reads "Martin Kuetzing".

Martin Kuetzing
Vice-President

MAK/pa

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Zion Crude Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 370, Hurricane, Utah 84737

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface Amended location; see attached letter;

1098' FEL & 1649.5' FSL SEC 14

At proposed prod. zone
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approx. 1 mile NE of Virgin, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) -----

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. -----

16. NO. OF ACRES IN LEASE

360

19. PROPOSED DEPTH

1000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40 (NE SE SEC 14)

20. ROTARY OR CABLE TOOLS

rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3700' GR

22. APPROX. DATE WORK WILL START*
within 90 days of
approval date

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8"	7" OD	11.5#/ft.	100'	cemented to surface of ground

This well location (as amended 10-11-77) is in lieu of the location previously given for ACE #1 (8-25-77).

All information regarding surface use is identical to that filed for the original ACE #1. Therefore, pursuant to a phone conversation with Ed Gynn, District Engineer, (10-6-77) only this APD (with the amended location shown), an amended certified survey and a surface use map are being filed.

Access to the current ACE #1 location will be via an existing bladed road used for maintenance on the former Virgin Canal.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: Oct. 14, 1977

BY: P. H. Russell

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84116

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Martin Kuehling

TITLE Vice-President

DATE 10-11-77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

LEASE Zion O.L. Company U-27359 DATE 10/21/77
WELL NO. ACE #1
LOCATION: NE 1/4 SE 1/4, SEC. 14, T. 41S, R. 12W
FIELD Virgin COUNTY Washington STATE Ut

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

I. PROPOSED ACTION

Zion O.L. Co PROPOSES TO DRILL AN OIL AND
(COMPANY) percussion/AIR
GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 1000 FT. TD. 2) TO CONSTRUCT A
DRILL PAD 50 FT. X 75 FT. AND A RESERVE PIT Portable Tank - 8 and 50 FT. X 10 FT.
3) TO CONSTRUCT 10 FT. WIDE X 800 MILES ACCESS ROAD AND UPGRADE 12
FT. WIDE X 0.1 MILES ACCESS ROAD FROM AN EXISTING AND IMPROVED ROAD. TO
☐ GAS ☒ OIL PRODUCTION FACILITIES ON THE DISTURBED AREA FOR THE DRILL PAD
AND ☒ TRUCK ☐ TRANSPORT THE PRODUCTION THROUGH A PIPELINE TO A TIE-IN IN
SECTION T. 41S, R. 12W NOT known at this time

2. LOCATION AND NATURAL SETTING (EXISTING ENVIRONMENTAL SITUATION).

(1) TOPOGRAPHY: ☐ ROLLING HILLS ☐ DISSECTED TOPOGRAPHY ☐ DESERT
OR PLAINS ☒ STEEP CANYON SIDES ☒ NARROW CANYON FLOORS ☐ DEEP DRAINAGE
IN AREA ☒ SURFACE WATER

(2) VEGETATION: ☒ SAGEBRUSH ☐ PINION-JUNIPER ☐ PINE/FIR ☐ FARMLAND
(CULTIVATED) ☒ NATIVE GRASSES ☒ OTHER Bitter Brush, Cliff Rose, Bryans Tea,

(3) WILDLIFE: ☒ DEER ☐ ANTELOPE ☐ ELK ☐ BEAR ☒ SMALL
MAMMAL ☒ BIRDS ☐ ENDANGERED SPECIES ☐ OTHER _____

(4) LAND USE: ☒ RECREATION ☒ LIVESTOCK GRAZING ☒ AGRICULTURE
☐ MINING ☐ INDUSTRIAL ☐ RESIDENTIAL ☒ OIL & GAS OPERATIONS

REF: BLM UMBRELLA EAR
USFS EAR
OTHER ENVIRONMENTAL ANALYSIS

3. Effects on Environment by Proposed Action (potential impact)

1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC
ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE
DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND
SURFACE DISTURBANCE. ~~entrance~~ Along entrance Road to National Park.

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

6)

4. Alternatives to the Proposed Action

1) NOT APPROVING THE PROPOSED PERMIT -- THE OIL AND GAS LEASE GRANTS THE LESSEE EXCLUSIVE RIGHT TO DRILL FOR, MINE, EXTRACT, REMOVE AND DISPOSE OF ALL OIL AND GAS DEPOSITS.

2) DENY THE PROPOSED PERMIT AND SUGGEST AN ALTERNATE LOCATION TO MINIMIZE ENVIRONMENTAL IMPACTS. NO ALTERNATE LOCATION ON THIS LEASE WOULD JUSTIFY THIS ACTION.

2A) LOCATIONS PLOTTED ON TOPOG WAS IN ERROR. WELL IS NORTH OF CANAL.

3) LOCATION WAS MOVED _____ TO AVOID _____

☐ LARGE SIDEHILL CUTS ☐ NATURAL DRAINAGE ☐ OTHER _____

4) BLM REQUEST THAT THEY BE PRESENT AT ROAD & SITE construction.

5. Adverse Environmental Effects Which Cannot Be Avoided

1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM RIG ENGINES AND SUPPORT TRAFFIC ENGINES.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.

4) TEMPORARY DISTURBANCE OF LIVESTOCK.

5) MINOR AND SHORT-TERM VISUAL IMPACTS.

6) _____

6. DETERMINATION:

(THIS REQUESTED ACTION ~~(DOES)~~ (DOES NOT) CONSTITUTE A MAJOR FEDERAL ACTION SIGNIFICANTLY AFFECTING THE ENVIRONMENT IN THE SENSE OF NEPA, SECTION 102(2) (C).

DATE INSPECTED 10/21/77

INSPECTOR J. EVANS.

W. J. Martin
U. S. GEOLOGICAL SURVEY
CONSERVATION DIVISION - OIL & GAS OPERATIONS
SALT LAKE CITY DISTRICT

U.S. GEOLOGICAL SURVEY
District Notified CONSERVATION DIVISION
Mailed to D.E.

To: District Engineer, _____

NID

Operator <i>Zion Crude Oil Co</i>		Well <i>Ace #1, Ace #2</i>		Location <i>Washington Co, Utah</i> <i>T. 41S, R. 12W</i>	
Lease No. <i>U27359</i>	Ground elev. <i>3612</i>	Objective <i>oil in Timpowear, others</i>		Surface casing <i>7" to 40 or 80'</i>	Estimated T.D. <i>? 1000?</i>
Formation	Possible resource	Estimated depth	Estimated thickness	Remarks *	
<i>Moenkopi Grp</i>	<i>water</i>	<i>surface</i>	<i>500?</i>	<i>Fresh water possible to ~ 400 ft</i>	
				<i>usable " " " ~2500 "</i>	
<i>Timpowear mbr</i>	<i>oil</i>	<i>400</i>	<i>20</i>	<i>all Virgin production</i>	
<i>Kaibab LS</i>	<i>oil?</i>	<i>500</i>	<i>900</i>	<i>shows 27 base in 40s, 13W</i>	
<i>Torowear</i>	<i>-</i>	<i>1400</i>	<i>500</i>		
<i>Cocanino</i>	<i>oil?</i>	<i>1900</i>	<i>1000</i>	<i>shows near base, sec 13</i>	
<i>Pakoon (Perm)</i>	<i>-</i>	<i>2900</i>	<i>500</i>		
<i>Callville (Perm)</i>	<i>oil?</i>	<i>3400</i>	<i>1600</i>	<i>shows 3500 to 3600, produced</i>	
				<i>in 40S, 13W</i>	
<i>Redwall</i>	<i>oil?</i>	<i>4400</i>	<i>1200</i>	<i>shows in 40S, 13W</i>	
<i>his depth estimates</i>				<i>are way off</i>	

Competency of beds at proposed casing setting points: OK

Additional logs or samples needed: SP & resistivity minimum if drilling below 500 feet

* Where applicable note:

1. Potential oil and gas productive zones
2. Zones bearing fresh water
3. Possible lost circulation zones
4. Zones with abnormal pressure
5. Zones with abnormal temperature
6. Other minerals such as coal, oil shale, potash, etc.

Signed: _____

Geologist

Date: 9/17/77

Shore Oil and Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

B. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Zion Crude Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 370, Hurricane, Utah 84737

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface Amended location; see attached letter;

1098' FEL & 1649.5' FSL SEC 14

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approx. 1 mile NE of Virgin, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

360

19. PROPOSED DEPTH

1000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40 (NE SE SEC 14)

20. ROTARY OR CABLE TOOLS

rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3700' GR

22. APPROX. DATE WORK WILL START*
within 90 days of
approval date

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PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8"	7" OD	11.5#/ft.	100'	cemented to surface of ground

This well location (as amended 10-11-77) is in lieu of the location previously given for ACE #1 (8-25-77).

All information regarding surface use is identical to that filed for the original ACE #1. Therefore, pursuant to a phone conversation with Ed Guynn, District Engineer, (10-6-77) only this APD (with the amended location shown), an amended certified survey and a surface use map are being filed.

Access to the current ACE #1 location will be via an existing bladed road used for maintenance on the former Virgin Canal.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Martin Kutzberg

TITLE Vice-President

DATE 10-11-77

(This space for Federal or State office use)

PERMIT NO.

(ORIG. SGD.) E. W. GUYNN

APPROVAL DATE

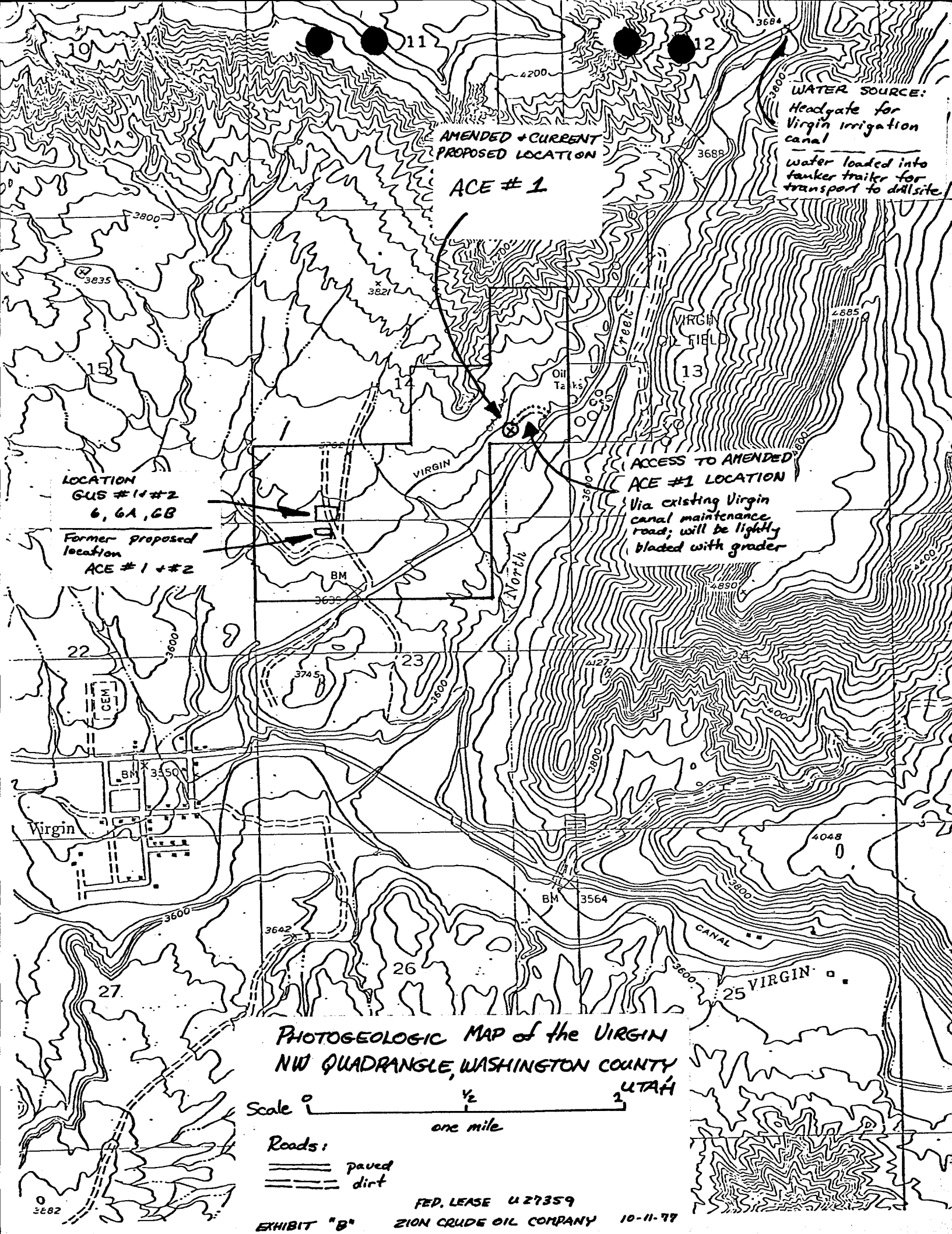
DISTRICT ENGINEER

DATE NOV 10 1977

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

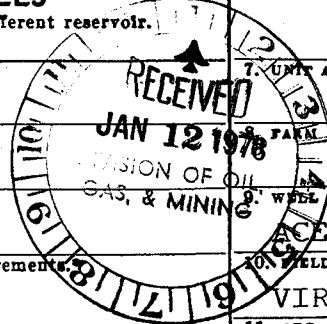


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-27359	
2. NAME OF OPERATOR ZION CRUDE OIL COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR POBOX 370, HURRICANE, UTAH 84737		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 751' FEL & 1649.5' FSL SEC 14		8. FARM OR LEASE NAME	
14. PERMIT NO.		9. WELL NO. ACE #1	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 3700' GR		10. FIELD AND POOL, OR WILDCAT VIRGIN	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC 14, T41S, R12W, SLM	
		12. COUNTY OR PARISH WASHINGTON	
		13. STATE UTAH	



16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

☐
☐
☐
☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

☐
☐
☐

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☐
☐
☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Location of wellsite has been moved 347' due East from location shown on ACE #1 APD of 10-11-77. Pursuant to instructions from Ed Guynn, District Engineer and John Evans, Environmental Specialist, of the USGS, Salt Lake City, this sundry notice, a certified survey of the area (EXHIBIT 'A'), drillsite equipment layout plan (EXHIBIT 'B'), and a general topographic map of the area (EXHIBIT 'C') are enclosed.

Approval of the proposed change in location has been given by the local BLM representative.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: 1/12/78

BY: [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]

TITLE Vice-President

DATE 1-10-78

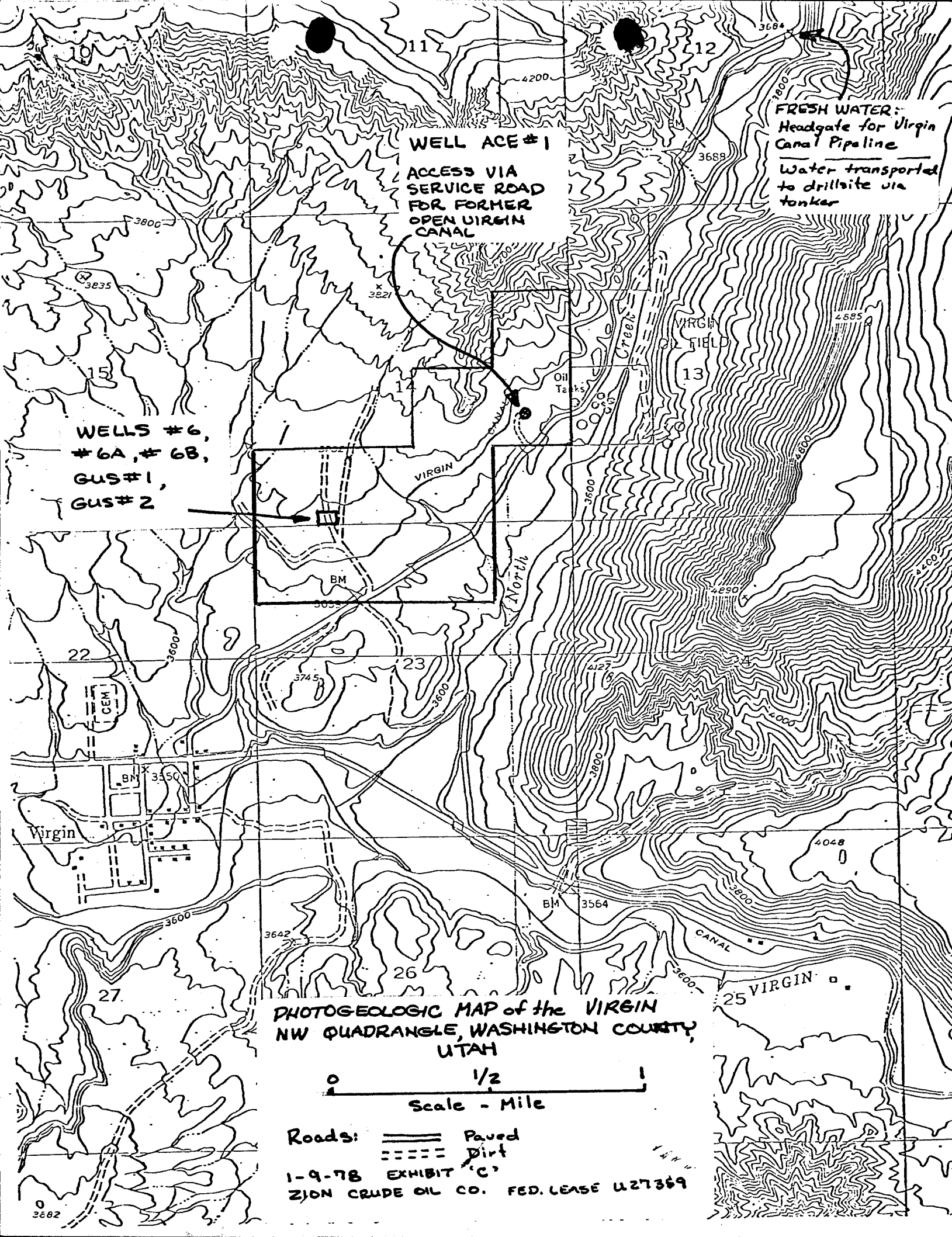
(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



WELL ACE #1

ACCESS VIA
SERVICE ROAD
FOR FORMER
OPEN VIRGIN
CANAL

FRESH WATER:
Headgate for Virgin
Canal Pipeline
Water transported
to drillsite via
tanker

WELLS #6,
#6A, #6B,
GUS#1,
GUS#2

PHOTOGEOLOGIC MAP of the VIRGIN
NW QUADRANGLE, WASHINGTON COUNTY,
UTAH

0 1/2 1
Scale - Mile

Roads: Paved
 Dirt

1-9-78 EXHIBIT 'C'
ZION CRUDE OIL CO. FED. LEASE U27369

ACCESS ROAD ENTERS HERE

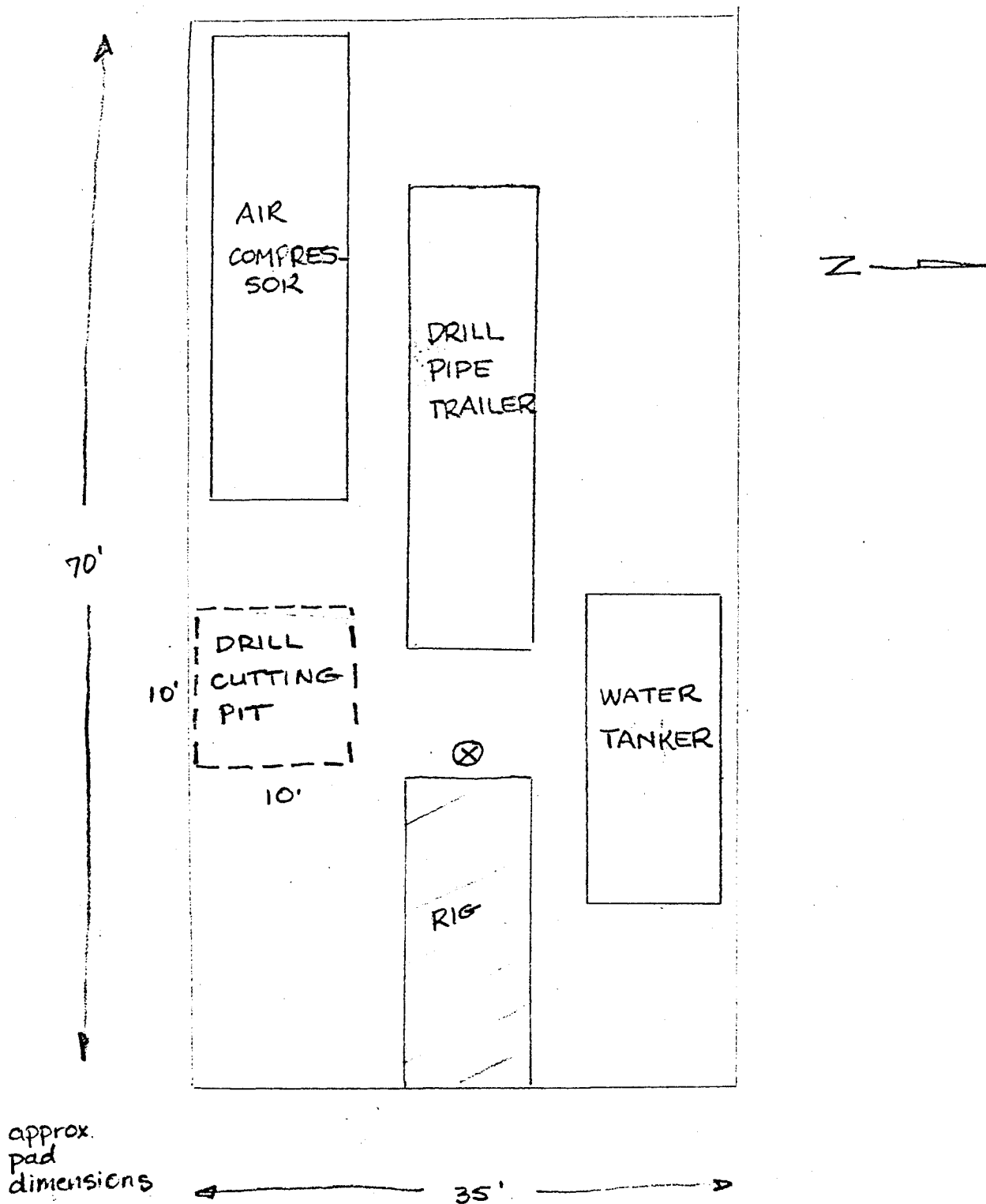


EXHIBIT 'B' | 1-9-78 | WELL ACE #1 | DRILLING PAD EQUIPMENT LAYOUT

1" = 10' Scale

ZION CRUDE OIL CO.

1-9-78 EXHIBIT C
ZION CRUDE OIL CO. FED. LEASE U27369

10 11
15 14

S89°53'W

5309.70 (G.L.O. PLAT)

11 12
14 13

NORTH
2640.00 (G.L.O. PLAT)

NW $\frac{1}{4}$

NE $\frac{1}{4}$

2640.00 (G.L.O. PLAT)
N0°01'E

SEC 4 2646-4 S.2

18'W
264 (G.L.O. PLAT)

NW $\frac{1}{4}$, SE $\frac{1}{4}$

NE $\frac{1}{4}$, SE $\frac{1}{4}$

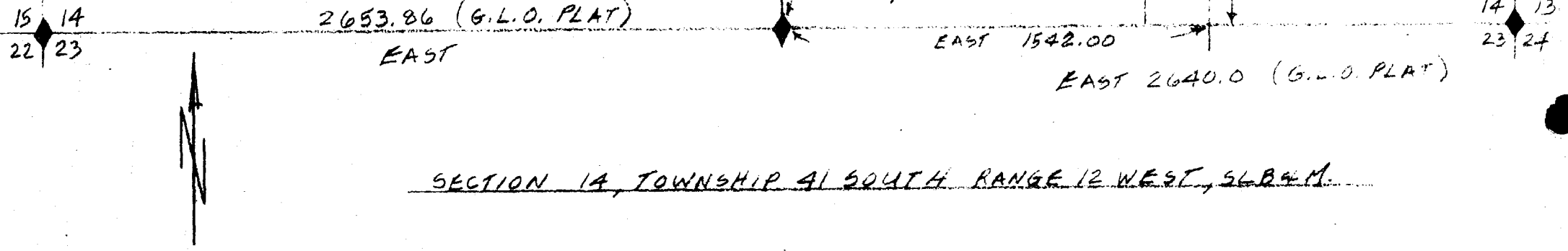
2675.64 (G.L.O. PLAT)

PROPOSED
OIL WELL
SITE

SW $\frac{1}{4}$

NO. 2655.8

NO 25'E



SCALE 1"=500'

SURVEYOR'S CERTIFICATE

I, Gale E. Day, St. George, Utah, do hereby certify that I am a registered Land Surveyor and that I hold License No. 2432, as prescribed by the laws of the State of Utah, and I have located a proposed Oil Well site at the following described location, located in Washington County, State of Utah.

The proposed Oil Well site is located in Section 14, Township 41 South, Range 12 West, Salt Lake Base and Meridian at a point East 1542.00 feet along the Section line and due North 1649.50 feet from the South 1/4 Corner of said Section 14.

Date 10-10-77

Gale E. Day
Gale E. Day
License No. 2432
BUSH & GUDCELL, INC.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-27359
2. NAME OF OPERATOR ZION CRUDE OIL COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR POB 370, Hurricane, Utah 84737		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 751' FEL & 1649.5' FSL SEC 14		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO. ACE #1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3700' GR		10. FIELD AND POOL, OR WILDCAT VIRGIN
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC14, T41S, R12W, SLM
		12. COUNTY OR PARISH WASHINGTON
		13. STATE UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) "SPUD-IN"

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well ACE #1 was "spud" on January 14, 1978.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: Jan 24, 1978

BY: P. H. Smith

18. I hereby certify that the foregoing is true and correct

SIGNED

Martin Kretzing

TITLE Vice-President

DATE 1-14-77

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. 71-027359
Communitization Agreement No. NA
Field Name VIRGIN
Unit Name NA
Participating Area NA
County WASHINGTON State UTAH
Operator ZION CRUDE OIL COMPANY
☒ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of January, 19 78

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.53) and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
GUS #1	SW4 SW4 SEC 14	T41S	12W	shut-in	-0-	-0-	-0-	-0-	insufficient oil production
ACE #1	NE4SE4 SEC 14	41S	12W	producing	-4-	-100-	-0-	-5-	spud 1-14-78; completed on 1-20-78; first produced on 1-26-78; water trucked to #6A for disposal by injection.
#6A	SW4 SW4 SEC 14	41S	12W	WDW	—	—	—	—	

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	-8-	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	-100-	-5-	-5-
*Sold	none	-5-	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	none	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	-5-	XXXXXXXXXXXXXXXXXX
*Used on Lease	none	-5-	XXXXXXXXXXXXXXXXXX
*Injected	none	-5-	-5-
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	none
*Other (Identify)	none	-5-	none
*On hand, End of Month	-108-	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	24.7	-5-	XXXXXXXXXXXXXXXXXX

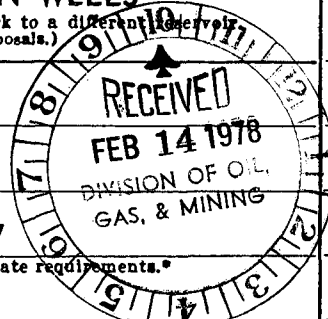
Authorized Signature: Martin Kristing Address: Box 370, Hurricane, Utah 84737
Title: Vice-President Page one of one

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-27359
2. NAME OF OPERATOR Zion Crude Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 370, Hurricane, Utah 84737		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 751' FEL & 1649.5' FSL SEC 14		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO. ACE #1
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 3700' GR		10. FIELD AND POOL, OR WILDCAT VIRGIN
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC14, T41S, R12W, SLM
		12. COUNTY OR PARISH WASHINGTON
		13. STATE UTAH



16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) produce well <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- Well initially produced 1-26-78
- Current production of 25 bopd expected for approx. six months.
- Current production of 1-2 BWPD* collected and trucked to Well #6A or GUS #1; presently #6A is being used.
- Electric power used to operate submersible pump presently provided by diesel driven power plant; plans to operate ACE #1 include connection to California-Pacific Utilities main transmission line by most direct routing selected by CPU.
- A sketch is included (Exhibit "A") showing existing access road from main road to the well location. Included on this sketch is a suggested and preferred extension of the present access road to allow tanker trucks and trailers to be driven past the storage tanks and back out of the same access road entrance. The current roadway has been lightly graveled with unwashed, crushed river bed gravel purchased from a local contractor and hauled to the location. The extended road way would be surfaced in this manner.

* Water production may be reduced or eliminated with the use of an experimental DIALYSIS FILTRATION MEMBRANE which allows only oil to reach the pump. Implementation will be 60 days minimum.

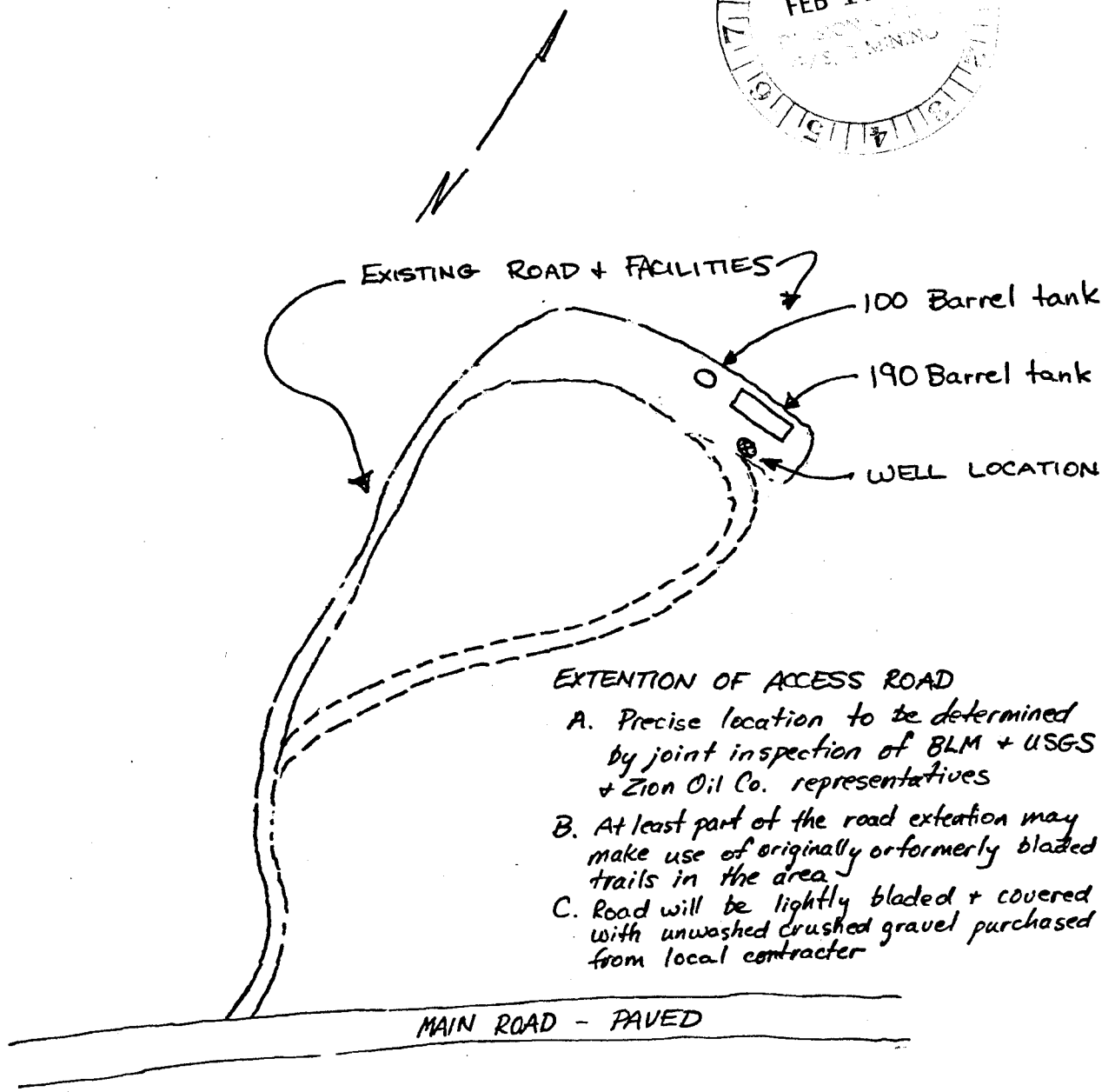
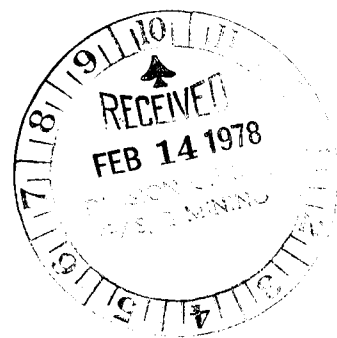
18. I hereby certify that the foregoing is true and correct

SIGNED Martin Krueger TITLE Vice-President DATE 2-8-78

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:APPROVED BY THE DIVISION OF
OIL, GAS, AND MININGDATE: Feb. 16, 1978BY: P. L. Russell

*See Instructions on Reverse Side



EXTENSION OF ACCESS ROAD

- A. Precise location to be determined by joint inspection of BLM + USGS + Zion Oil Co. representatives
- B. At least part of the road extension may make use of originally or formerly bladed trails in the area
- C. Road will be lightly bladed + covered with unwashed crushed gravel purchased from local contractor

2-8-78

EXHIBIT A

WELL ACE #1

ZION CRUDE OIL COMPANY

Suggested extension of current access road to facilitate shipments of oil

SCALE 1" = 100'

ACCESS ROAD ENTERS HERE

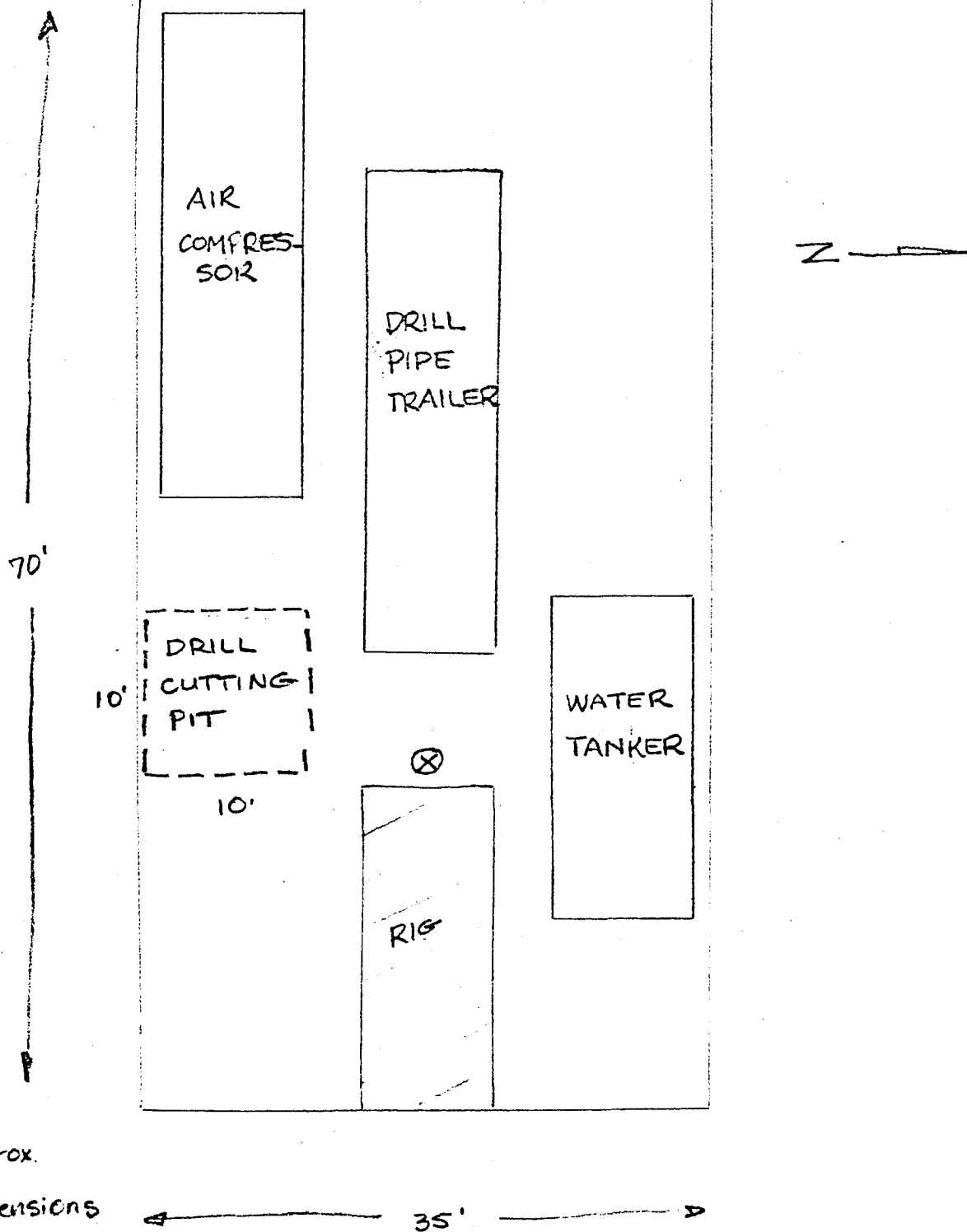
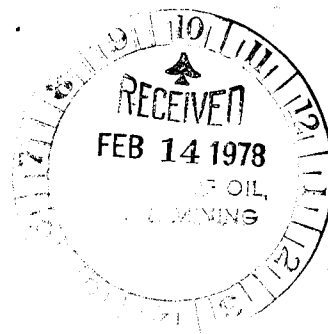


EXHIBIT 'B' | 1-9-78 | WELL ACE #1 | DRILLING-PAD EQUIPMENT LAYOUT

1" = 10' Scale

ZION CRUDE OIL CO.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116



REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number ACE #1

Operator Zion Crude Oil Company

Address P.O.Box 370, Hurricane, Utah 84737

Contractor Zion Crude Oil Company

Address same

Location NE 1/4 SE 1/4; Sec. 14; T. 41 N; R. 12 E; Washington County
S W

Water Sands:

	<u>Depth:</u> From - To -	<u>Volume:</u> Flow Rate or Head -	<u>Quality:</u> Fresh or Salty -
1.	<u>580' 590'</u> <u>assoc. with oil</u>	<u>approx. 1gpm</u>	<u>Salty</u>
2.	<u></u>	<u></u>	<u></u>
3.	<u></u>	<u></u>	<u></u>
4.	<u></u>	<u></u>	<u></u>
5.	<u></u>	<u></u>	<u></u>

No other water of any kind encountered anywhere in the well.
(Continue on Reverse Side if Necessary)

Formation Tops:

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
(c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

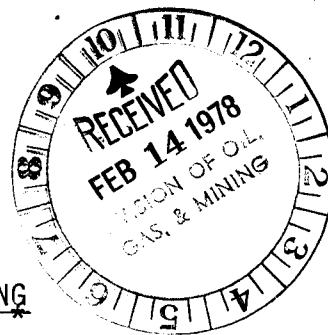
9

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>										5. LEASE DESIGNATION AND SERIAL NO. U-27359
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>										6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR ZION CRUDE OIL COMPANY										7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. BOX 370, HURRICANE, UTAH 84737										8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 751' FEL & 1649.5' FSL SEC 14 At top prod. interval reported below same At total depth same										9. WELL NO. ACE #1
14. PERMIT NO. DATE ISSUED 1-12-78										10. FIELD AND POOL, OR WILDCAT VIRGIN
15. DATE SPUDDED 1-14-78										11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC14, T41S, R12W, SLM
16. DATE T.D. REACHED 1-20-78										12. COUNTY OR PARISH WASHINGTON
17. DATE COMPL. (Ready to prod.) 1-20-78										13. STATE UTAH
18. ELEVATIONS (DF, BEB, BT, GR, ETC.)* 3700' GR										19. ELEV. CASINGHEAD 3700.5'
20. TOTAL DEPTH, MD & TVD 690'										21. PLUG BACK T.D., MD & TVD open to 690'
22. IF MULTIPLE COMPL., HOW MANY*										23. INTERVALS DRILLED BY percussive
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 580' to 590'										25. WAS DIRECTIONAL SURVEY MADE no
26. TYPE ELECTRIC AND OTHER LOGS RUN no logs of any type run on this well										27. WAS WELL CORRED no
28. CASING RECORD (Report all strings set in well)										
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD			AMOUNT PULLED			
7"OD	11.5#/ft.	37'	8" to 40'	approx. 1/2 yard. for			surface cas.			
			6 1/2" from 40' to 690'							
29. LINER RECORD										30. TUBING RECORD
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)			
none					2"EU	600'	none			
31. PERFORATION RECORD (Interval, size and number) none required					32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) none required AMOUNT AND KIND OF MATERIAL USED					
33. PRODUCTION										
DATE FIRST PRODUCTION 1-26-78		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) REDA 40D28P 10hp:30 submersible					WELL STATUS (Producing or shut-in) producing			
DATE OF TEST 1-26/2-8	HOURS TESTED 10 days	CHOKE SIZE ----	PROD'N. FOR TEST PERIOD →	OIL—BBL. 25 BOPD	GAS—MCF. none	WATER—BBL. 1 BWPD	GAS-OIL RATIO ----			
FLOW. TUBING PRESS. -----	CASING PRESSURE atmosphere	CALCULATED 24-HOUR RATE →	OIL—BBL. 25 BOPD	GAS—MCF. none	WATER—BBL. 1-2 BWPD	OIL GRAVITY-API (CORR.) 24.7 API				
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) none produced							TEST WITNESSED BY Kuetzing			
35. LIST OF ATTACHMENTS ONE: Form OGC-8-X, Utah State O&G formation water report										
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records										
SIGNED Martin Kuetzing		TITLE Vice-President				DATE 2-8-78				

*(See Instructions and Spaces for Additional Data on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116



REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number ACE #1

Operator Zion Crude Oil Company

Address P.O.Box 370, Hurricane, Utah 84737

Contractor Zion Crude Oil Company

Address same

Location NE 1/4 SE 1/4; Sec. 14; T. 41 N; R. 12 E; Washington County
S W

Water Sands:

	<u>Depth:</u> From - To -	<u>Volume:</u> Flow Rate or Head -	<u>Quality:</u> Fresh or Salty -
1.	<u>580' 590'</u> <u>assoc. with oil</u>	<u>approx. 1gpm</u>	<u>Salty</u>
2.	<u></u>	<u></u>	<u></u>
3.	<u></u>	<u></u>	<u></u>
4.	<u></u>	<u></u>	<u></u>
5.	<u></u>	<u></u>	<u></u>

No other water of any kind encountered anywhere in the well.
(Continue on Reverse Side if Necessary)

Formation Tops:

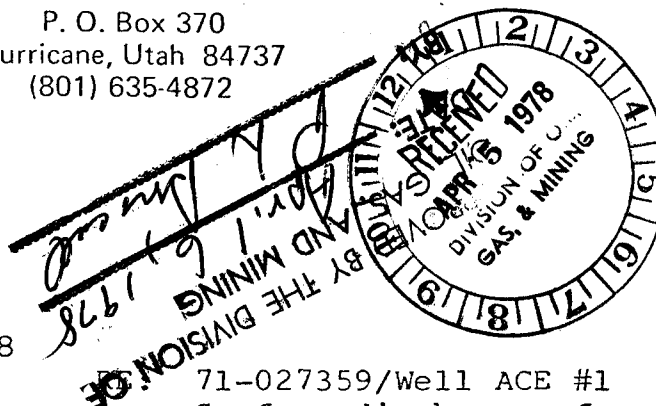
- NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
(c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

ZION CRUDE OIL COMPANY

P. O. Box 370
Hurricane, Utah 84737
(801) 635-4872

March 31, 1978

Mr. Ed Guynn
District Engineer
USGS
Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138



71-027359/Well ACE #1
Surface discharge of produced
water and oil

Dear Mr. Guynn:

Listed below, in accordance with NTL-3, are the conditions and circumstances concerning the spill and subsequent clean-up operation cited above:

- 1) At the present time, while waiting for approval to drill WDW ACE #1 and to operate it as a Water Disposal Well, we are collecting produced water in one tank located near ACE #1. This tank (and the tank used to store crude oil) is equipped with a float switch, which when activated by the presence of fluid (a full tank) is to interrupt electrical power to the well pump; this switch apparently failed in the early morning hours on March 20, 1978, resulting in an overflow and thereby a surface discharge of produced water and an oil scum which collects on this water in the tank.
- 2) The discharged fluid was guided by a shallow wash to the South-east of the well location.
- 3) Not more than 20 barrels of water (850 gallons) nor approximately $\frac{1}{2}$ barrel of oil was spilled. The issue was somewhat complicated by the use of a few thousand gallons of fresh water used in an attempt to "rinse" the wash and carry the "oil scum" to a more accessible location. No serious damage to the flora in the wash was observed; the spill did not enter any stream.
- 4) The spill occurred on March 20, 1978 shortly after midnight.
- 5) The discharge was discovered around 8:00 AM, and then stopped.
- 6) New float switches have been installed, and a watchman is on duty whenever the pump is operating in an effort to prevent future spills.
- 7) Oil stained soil were collected, mixed with clean soil and then buried. Lawton Specialty Company's (Dallas) MP-900 neutralizer has been ordered as a follow-up for treating certain areas if necessary.
- 8) The original switches were constructed locally; the replacements are commercial types.
- 9) The local BLM office was also notified.

Sincerely, *Martin Kutzig, VP*

January 10, 1979

MEMO TO FILE

Re: ZION OIL COMPANY
Well No. ACE #1
Sec. 14, T. 41S, R. 12W
SLBM, Washington, County, Utah

On January 10, 1979 it was discovered that this well had been plugged and abandoned. A marker has been erected and the well identified. However, three storage tanks are still on location. The operator failed to notify this Division that this well was to be plugged.

C.B. FEIGHT
DIRECTOR

CBF/lw
cc: U.S. Geological Survey

May 16, 1979

MEMO TO FILE

Re: ZION CRUDE OIL COMPANY
Well No. Ace #1
Sec. 14, T. 41S, R. 12W
Washington County, Utah

This well has been plugged and abandoned.

However, the tank battery and separator are still on location and from a distance this looks like a producing lease.

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
DIRECTOR

CBF/lw

cc: U. S. Geological Survey



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771
June 15, 1979

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

Zion Crude Oil Company
P. O. Box 370
Hurricane, Utah 84737

Re: Well No. Ace #1
Sec. 14, T. 41S, R. 12W,
Washington County, Utah

Gentlemen:

According to a memo dated May 16, 1979 (attached), the above mentioned well has been plugged and abandoned.

Rule D-2, General Rules and Regulations and Rules of Practice and Procedure, requires that a Subsequent Report of Abandonment be filed within (30) thirty days after the plugging of any well.

In order that we may keep our records accurate and complete, please complete the enclosed Form OGC-1b, in duplicate, and forward them to this office as soon as possible.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Kathy Avila

KATHY AVILA
RECORDS CLERK

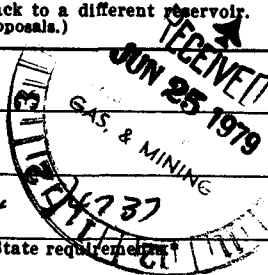
attachment

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. 71-027359
2. NAME OF OPERATOR Lion Crude Oil		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P2 370 Hurricane Utah		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO. Ae #1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3700		10. FIELD AND POOL, OR WILDCAT Virgin
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 14 T415 R12W
		12. COUNTY OR PARISH Washington
		13. STATE Utah



16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pursuant your letter 6-15-79 all of our reports have been timely filed via certified mail. Our records are in storage.

However, in Summary - we did not find it economically feasible to develop shallow production. That is much deeper so our survey shows. We have been trying to find someone to develop the virgin field that has the ability to develop a working relationship with the State & Fed agencies in the process of economical production of oil. It's obvious that oil production per se is still not the vital target of America. Yet.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Minerals Management Service
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104-3884

February 11, 1982

Zion Crude Oil Company
Box 370
Hurricane, Utah 84737

Re: Application for Permit
to Drill
Well No. Ace #2 and Ace #3
Section 14. T. 41S, R. 12W.
Washington County, Utah
Lease No. U-27359

Gentlemen:

The Applications for Permit to Drill the referenced wells were approved August 29 and August 11, 1978, respectively. Since that date no known activity has transpired at the approved locations. Under current District policy, application's for permit to drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced applications without prejudice. If you intend to drill at these locations on a future date a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for these drill sites. Any surface disturbance associated with the approved locations of these wells is to be rehabilitated. A schedule for this rehabilitation must, then be submitted. Your cooperation in this matter is appreciated.

Sincerely,

WILLIAM H. MARTENS
Drilling Unit Supervisor

E. W. Guynn
District Oil and Gas Supervisor

cc: SMA-BLM, Cedar City
State Office (O&G)
State Office (BLM)
MMS-Vernal
Well File
APD Control

WPM/db

RECEIVED
FEB 16 1982

DIVISION OF
OIL, GAS & MINING